

AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method as recited in claim 14, said organohalide comprising at least one quaternary ammonium halide compound having an ammonium nitrogen and an alkyl radical with ~~at least six~~ to eighteen carbons bonded to the ammonium nitrogen.

2. (Previously Presented) A method as recited in claim 1, wherein said at least one quaternary ammonium halide compound comprises at least one benzalkonium chloride compound having an alkyl with 6-18 carbons.

3. (Previously Presented) A method as recited in claim 2, wherein said at least one benzalkonium chloride compound comprises benzalkonium chloride having an n-alkyl chain length that is at least one of C₁₂, C₁₄, C₁₆, or C₁₈.

4. (Previously Presented) A method as recited in claim 1, wherein said carrier comprises isopropyl alcohol.

5. (Previously Presented) A method as recited in claim 1, wherein said carrier comprises isopropyl alcohol and water.

6. (Previously Presented) A method as recited in claim 1, wherein said carrier consists essentially of isopropyl alcohol and water.

7. (Previously Presented) A method as recited in claim 1, wherein said carrier comprises isopropyl alcohol and water, the water being in an amount ranging from about 20% to about 40% by volume of the carrier.

8. (Previously Presented) A method as recited in claim 1, wherein said carrier comprises an aqueous solution of isopropyl alcohol at a concentration of about 70% of isopropyl alcohol by volume of the carrier.

9. (Previously Presented) A method as recited in claim 1, wherein said carrier comprises an aqueous solution of isopropyl alcohol such that the isopropyl alcohol is present at a concentration by volume in the range from about 20% to about 80% by volume of the carrier.

10. (Previously Presented) A method as recited in claim 1, wherein said treatment composition is substantially oil free.

11. (Previously Presented) A method as recited in claim 1, wherein said treatment composition is no longer visibly detectable on said disordered tissue within about two minutes after application of said treatment composition onto said disordered tissue.

12. (Previously Presented) A method as recited in claim 1, wherein said at least one quaternary ammonium halide compound comprises at least one of n-dialkyl methyl benzyl ammonium halide or n-alkyl dimethyl ethylbenzyl ammonium halide.

13. (Previously Presented) A method as recited in claim 12, wherein said halide is a chloride.

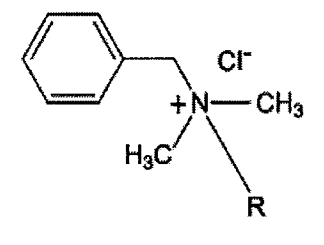
14. (Currently Amended) A method for locally treating pathogen-induced disordered tissue caused by at least one of a virus, a bacteria or a fungus, comprising:

identifying disordered tissue that comprises one or more lesions caused by at least one of a virus, a bacteria or a fungus, said disordered tissue comprising stratum spinosum;

providing a treatment composition for application to and penetration into said disordered tissue, said treatment composition comprising at least one anti-infective agent in a carrier, said at least one anti-infective agent comprising an organohalide, and wherein said treatment composition is a liquid comprising a tissue penetrating agent for penetrating skin and is substantially free of menthol, thymol, eucalyptol, eugenol, camphor, hexetidine, and anethol; and

applying said treatment composition to said disordered tissue in a manner so as to cause or allow said treatment composition to form a reservoir of said treatment composition within said stratum spinosum of said disordered tissue so as to provide treatment of said disordered tissue.

15. (Currently Amended) A method as recited in claim 14, wherein said anti-infective agent comprises at least one benzalkonium chloride compound ~~comprised of~~ having the following chemical structure:



wherein R is an alkyl group having 8-18 carbons.

16. (Previously Presented) A method as recited in claim 14, wherein said anti-infective composition comprises at least one quaternary ammonium halide compound.

17. (Previously Presented) A method as recited in claim 14, wherein said carrier comprises isopropyl alcohol.

18. (Currently Amended) A method as recited in claim 14, wherein said carrier comprises a hydroalcoholic solution of isopropyl alcohol at a concentration of about 70% of isopropyl alcohol by volume in the carrier.

19. (Original) A method as recited in claim 14, wherein said treatment composition is substantially free of penetration inhibiting components.

20. (Cancelled)

21. (Previously Presented) A method as recited in claim 14, wherein said treatment composition is applied to said disordered tissue while rubbing said disordered tissue in order for at least a portion of said treatment composition to penetrate through stratum corneum of said disordered tissue.

22. (Previously Presented) A method as recited in claim 14, wherein said treatment composition is applied to said disordered tissue by compressing said disordered tissue with little or no rubbing.

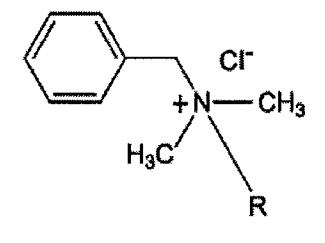
23. (Currently Amended) A method as recited in claim 14, wherein said disordered tissue to which the anti-infective composition is applied includes at least one lesion caused by smallpox virus.

24. (Currently Amended) A method as recited in claim 14, wherein said disordered tissue to which the anti-infective composition is applied includes at least one lesion caused by anthrax bacteria.

25. (Currently Amended) A method for locally treating pathogen-induced disordered tissue caused by at least one of a virus, a bacteria, or a fungus, comprising:

identifying disordered tissue that comprises one or more lesions caused by at least one of a virus, a bacteria, or a fungus;

providing a treatment composition for application to and penetration into said disordered tissue, said treatment composition comprising at least one anti-infective agent in a carrier, said at least one anti-infective agent comprising an organohalide, and wherein said treatment composition is a liquid comprising a tissue penetrating agent for penetrating skin, wherein said anti-infective agent comprises at least one benzalkonium chloride compound having the following chemical structure:



wherein R is an alkyl group having 8-18 carbons; and

applying said treatment composition to said disordered tissue by rubbing back and forth in an oscillating motion ~~in a manner~~ so as to cause or allow said treatment composition to form a reservoir of said treatment composition within said disordered tissue in order for said treatment composition to kill at least one of viruses, bacteria or fungus within said disordered tissue before diffusing beyond said disordered tissue.

26. (Cancelled)

27. (Cancelled)

28. (Previously Presented) A method as recited in claim 25, wherein said carrier comprises isopropyl alcohol.

29. (Previously Presented) A method as recited in claim 25, wherein said carrier comprises a hydroalcoholic solution of isopropyl alcohol at a concentration of about 70% of isopropyl alcohol by volume in the carrier.

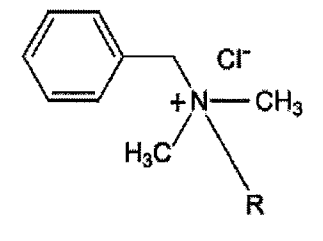
30. (Currently Amended) A method for locally treating pathogen-induced disordered tissue caused by at least one of a virus, a bacteria, or a fungus, comprising:

identifying disordered tissue that comprises one or more lesions caused by at least one of a virus, a bacteria, or a fungus;

providing a treatment composition for application to and penetration into said disordered tissue, said treatment composition comprising at least one anti-infective agent in a carrier, said at least one anti-infective agent comprising an organohalide, and wherein said treatment composition comprises a tissue penetrating agent for penetrating skin; and

applying said treatment composition to said disordered tissue while ~~maintaining sufficient pressure on said disordered tissue so as to~~ firmly compressing said disordered tissue against at least one of bone, tooth, gum, or other tissue underlying said disordered tissue in order to assist penetration of said treatment composition into said disordered tissue.

31. (Currently Amended) A method as recited in claim 30, wherein said anti-infective agent comprises at least one benzalkonium chloride compound having the following chemical structure:



wherein R is an alkyl group having 8-18 carbons.

32. (Previously Presented) A method as recited in claim 30, wherein said carrier comprises an aqueous solution of water and at least one organic solvent.

33. (Previously Presented) A method as recited in claim 30, wherein said carrier comprises water and isopropyl alcohol.

34. (Previously Presented) A method as recited in claim 30, wherein said treatment composition is applied to said disordered tissue using an applicator.

35. (Previously Presented) A method as recited in claim 30, wherein said treatment composition is applied to said disordered tissue using a finger.

36. (Currently Amended and Withdrawn) A method as recited in claim 30 14, wherein said disordered tissue includes at least one lesion caused by a herpes virus